

Teacher's Perspective on e-Assessment

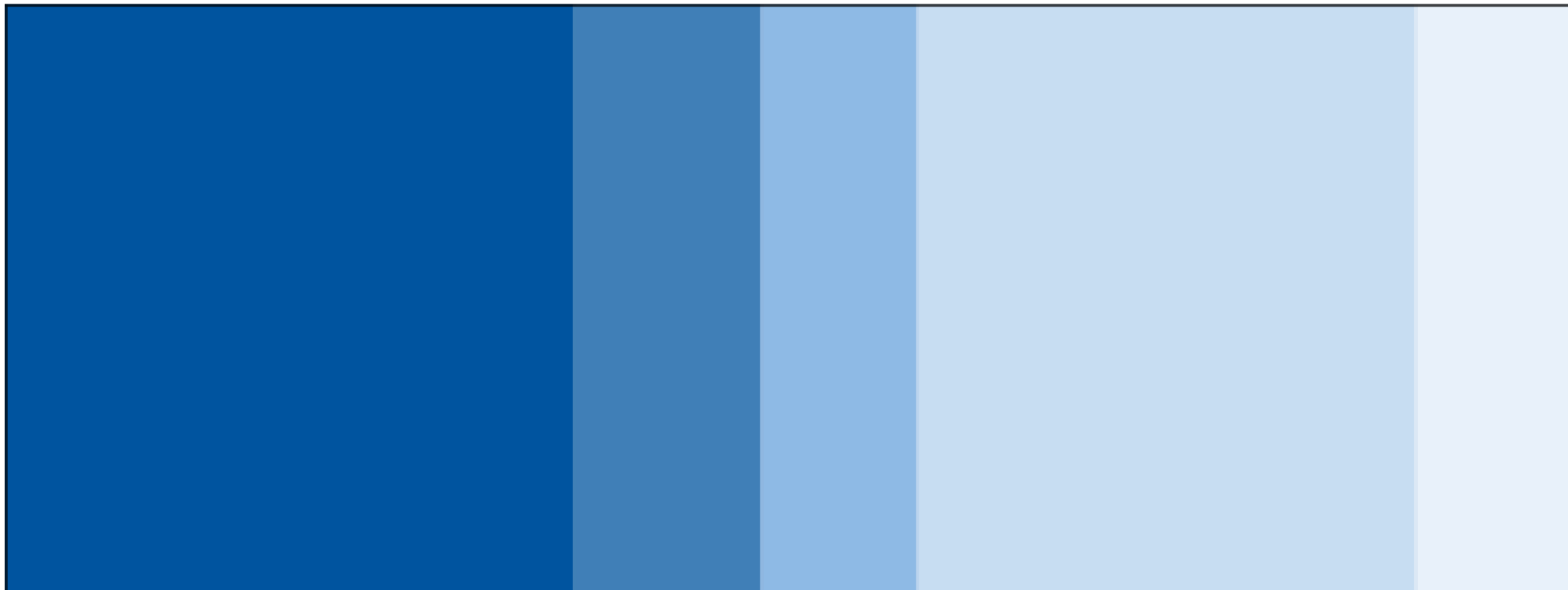
Research Question

Which factors influence the teacher's perspective on e-Assessment?

Assumption

Gender, Age, Technology Affinity, Field of Expertise, Teaching Experience and **Type of Teaching Institution** influence the teacher's perspective on e-Assessment

Demographics of the 110 Participating Teachers

	Male	Female	Diverse	Σ	
< 30	0.9 %	2.73 %	0 %	3.63 %	 <p>■ Engineering (40) ■ Medicine (13) ■ Other (11) ■ Science (35) ■ Social Science (11)</p>
30 – 50	26.36 %	11.82 %	1.82 %	40 %	
> 50	50 %	4.55 %	1.82 %	56.37 %	
Σ	77.26 %	19.1 %	3.64 %	100 %	

Questionnaire

- Based on TA-EG Questionnaire for Technology Affinity [1]
- Total of 33 Questions
- Analysis with Clustering [2] and Chi-Square Test [3]



Results

The perspective on e-Assessment is influenced by:

- **Gender** ($p = 0.005$), **Age** ($p = 0.14$), **Technology Affinity** ($p = 0.002$), **Field of Expertise** ($p = 0.24$)
- Teaching Experience and Type of Teaching institution are not significant

References

- [1] Karrer, K.; Glaser, C.; Clemens, C.; Bruder, C.: Technikaffinität erfassen – der Fragebogen TA-EG. (2009)
- [2] Kaufmann, L.: Clustering by means of medoids. (1987)
- [3] Sheskin, D. J.: Handbook of Parametric and Nonparametric Statistical Procedures: Third Edition. (2003)



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